

FIG. 1

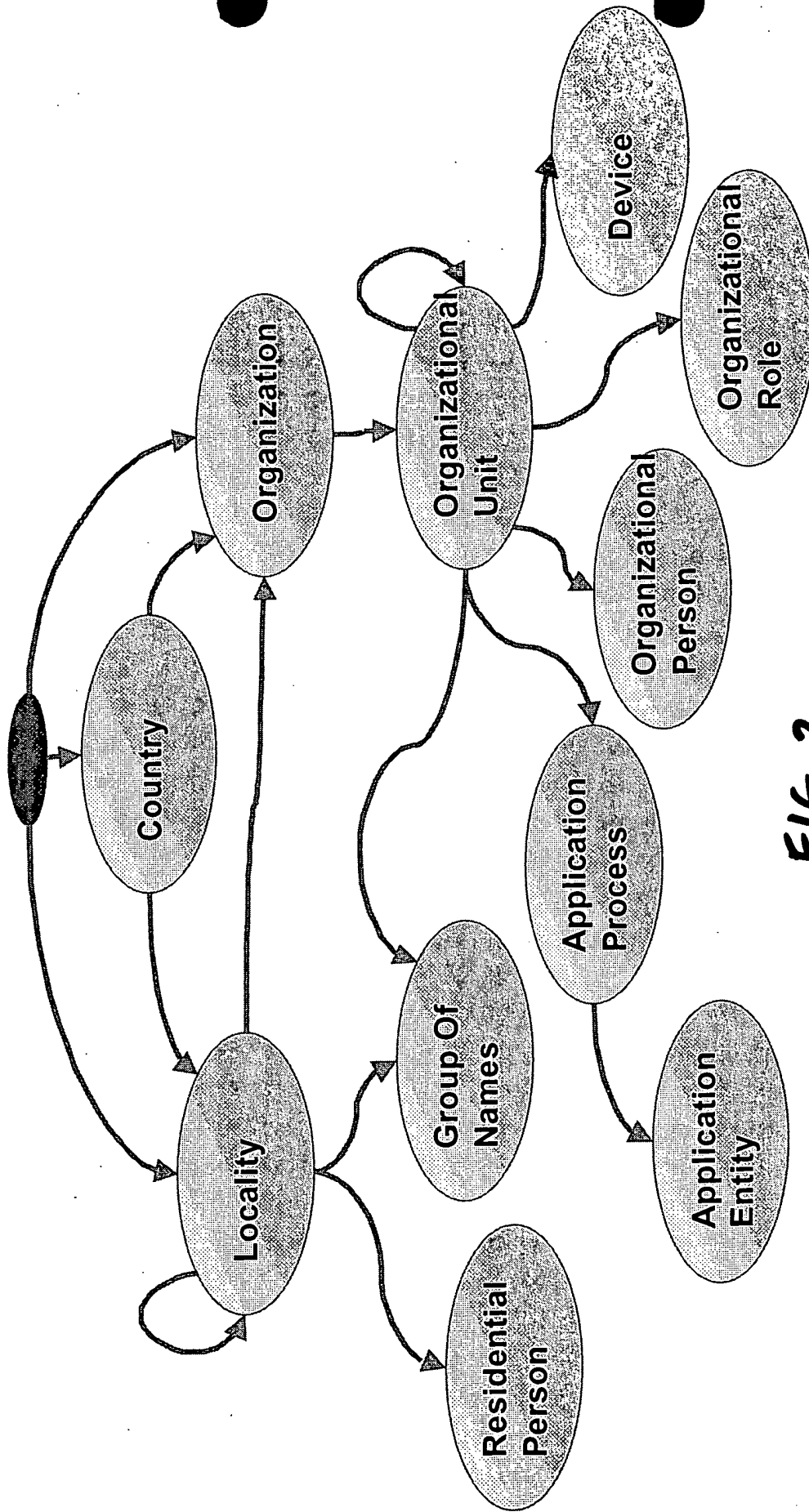


FIG. 2

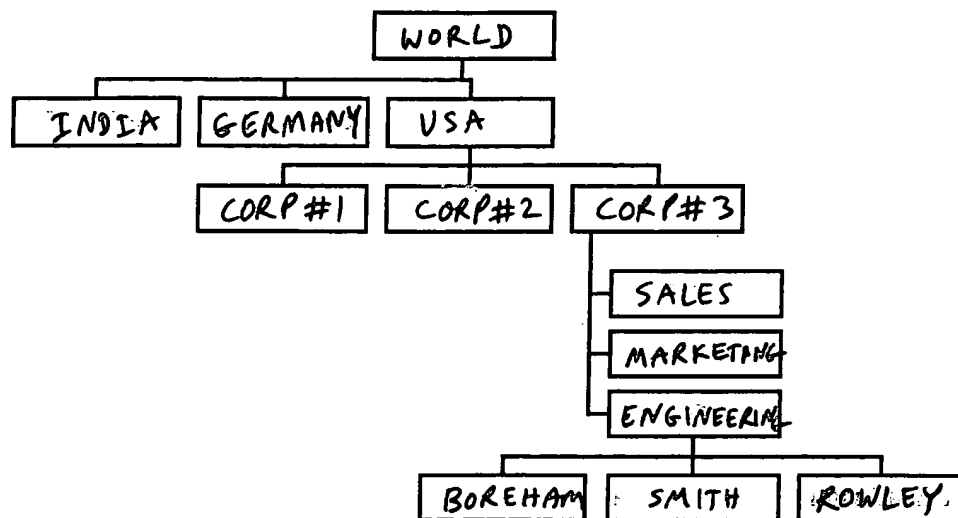


FIG. 3



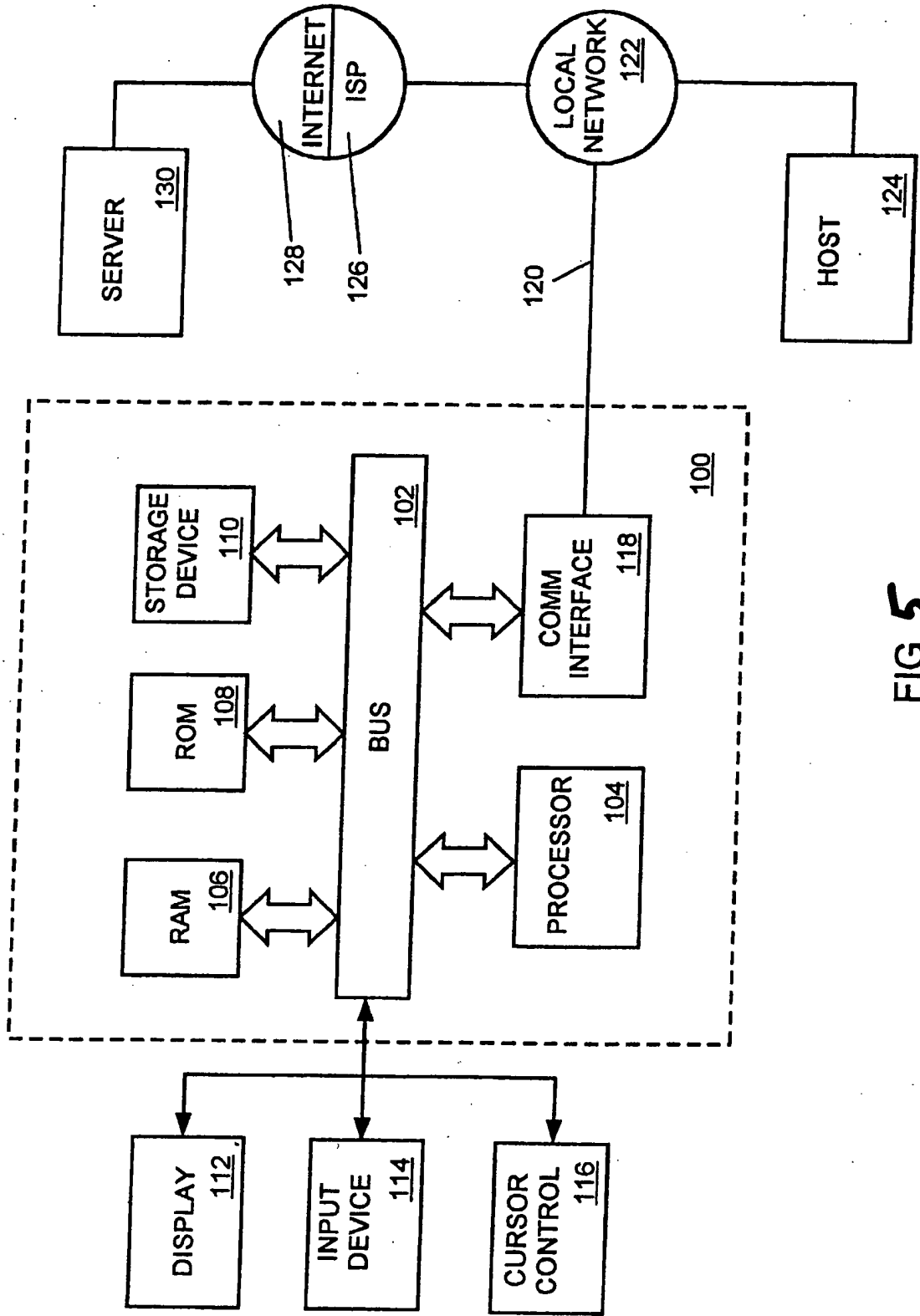


FIG. 5

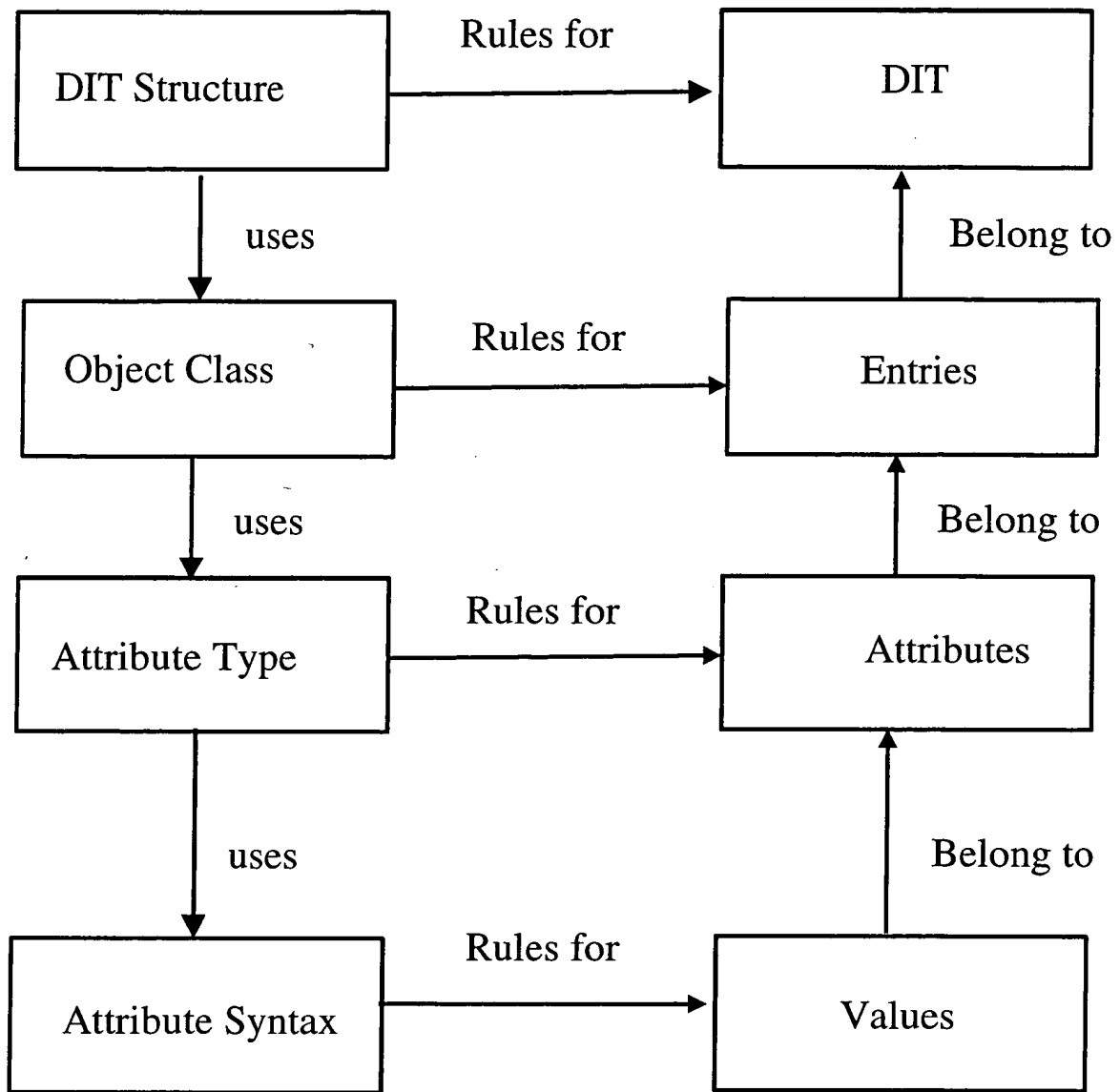


FIG. 56

dn: cn=managerrole, dc=dom, dc=ain  
objectclass: top  
objectclass: LDAPsubentry  
objectclass: nsRole  
objectclass: nsSimpleRole  
objectclass: nsManagedRole  
cn: managgerrole  
description: Manager Role within the Company

FIG. 7

FIG. 7

dn: uid=pointyhair, ou=people, dc=dom, dc=ain

objectclass: top

objectclass: person

objectclass: inetorgperson

uid: pointyhair

gn: pointy

sn: hair

nsRoleDN: cn=managerrole, dc=dom, dc=ain

description: Pointy Haired Manager

FIG-8

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dn: cn= building12people, dc=dom, dc=ain  
objectclass: top  
objectclass: LDAPsubentry  
objectclass: nsRole  
objectclass: nsComplexRole  
objectclass: nsFilteredRole  
cn: building12people  
nsRoleFilter: building=12  
description: People who work in building 12

FIG-9

dn: cn=megamanagerrole, dc=dom, dc=ain

objectclass: top

objectclass: LDAPsubentry

objectclass: nsRole

objectclass: nsComplexRole

objectclass: nsNestedRole

cn: megamanaggerrole

nsRoleDN: cn=managerrole, dc=dom, dc=ain

nsRoleDN: cn=networkmanager, dc=dom, dc=ain

description: Super Manager Role within the  
Company

FIG-10

dn: cn=peonrole, dc=dom, dc=ain  
objectclass: top  
objectclass: LDAPsubentry  
objectclass: nsRole  
objectclass: nsComplexRole  
objectclass: nsEnumeratedRole  
objectclass: groupofuniquenames  
cn: peonrole  
groupmember: uid=dboreham, ou=people, dc=dom, dc=ain  
groupmember: uid=merrells, ou=people, dc=dom, dc=ain  
groupmember: uid=claire, ou=people, dc=dom, dc=ain  
description: Lowest of the Low Roles within the Company

FIG-11

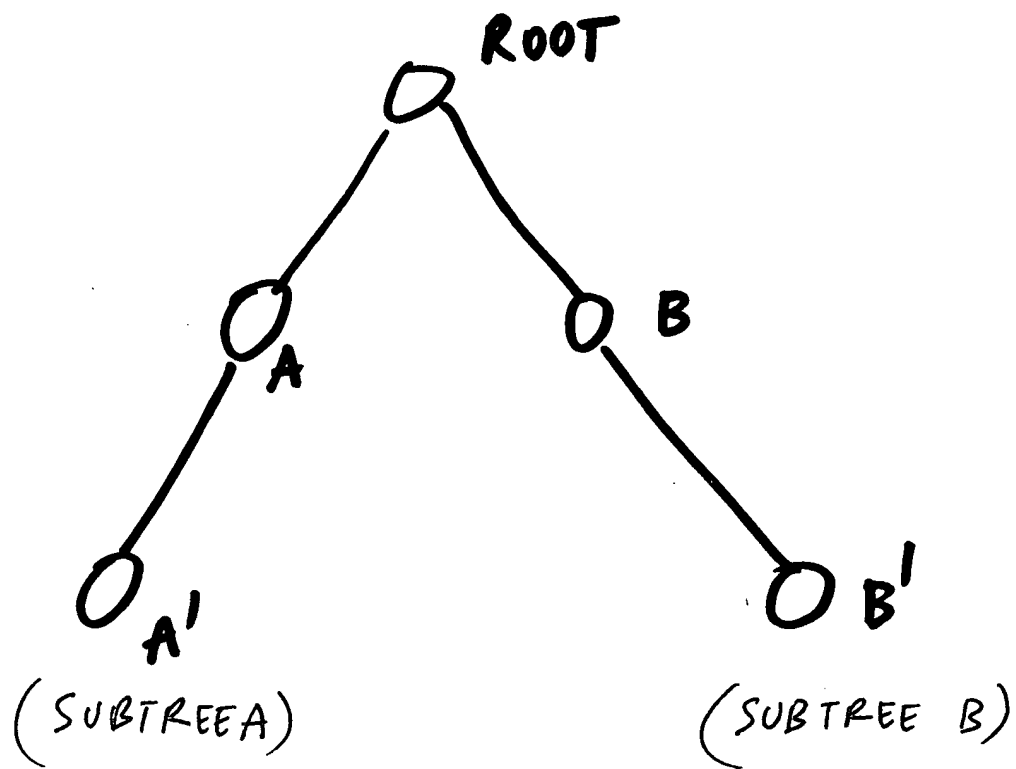


FIG-12

For each entry within scope, the  
computed attribute nsRole is calculated

The computed attribute nsRole is  
examined to see if the role is present.

This results in a list of entries that  
possess the role.

The list is thereafter returned to a  
client.

**FIG. 13**

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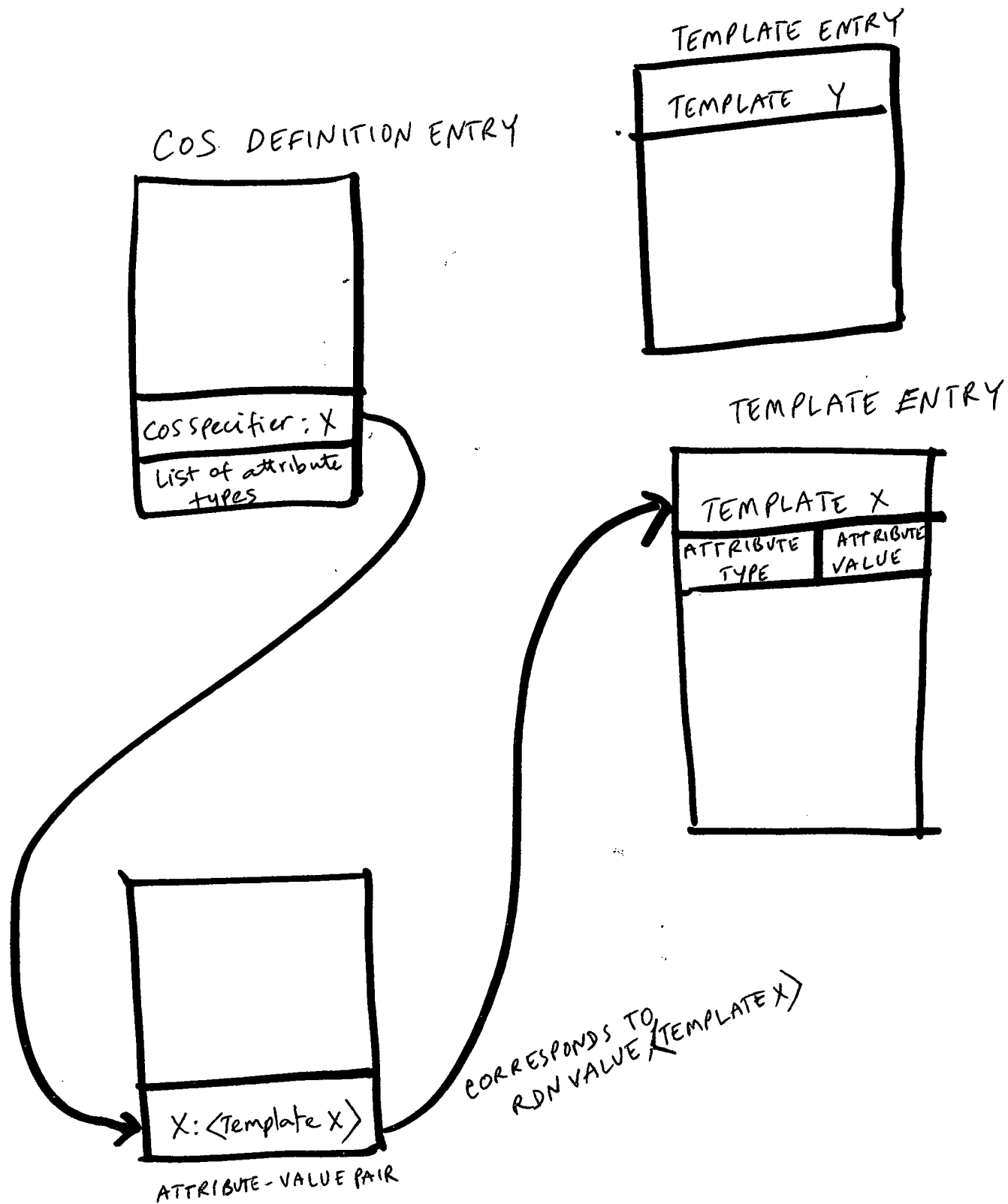


FIG. 14

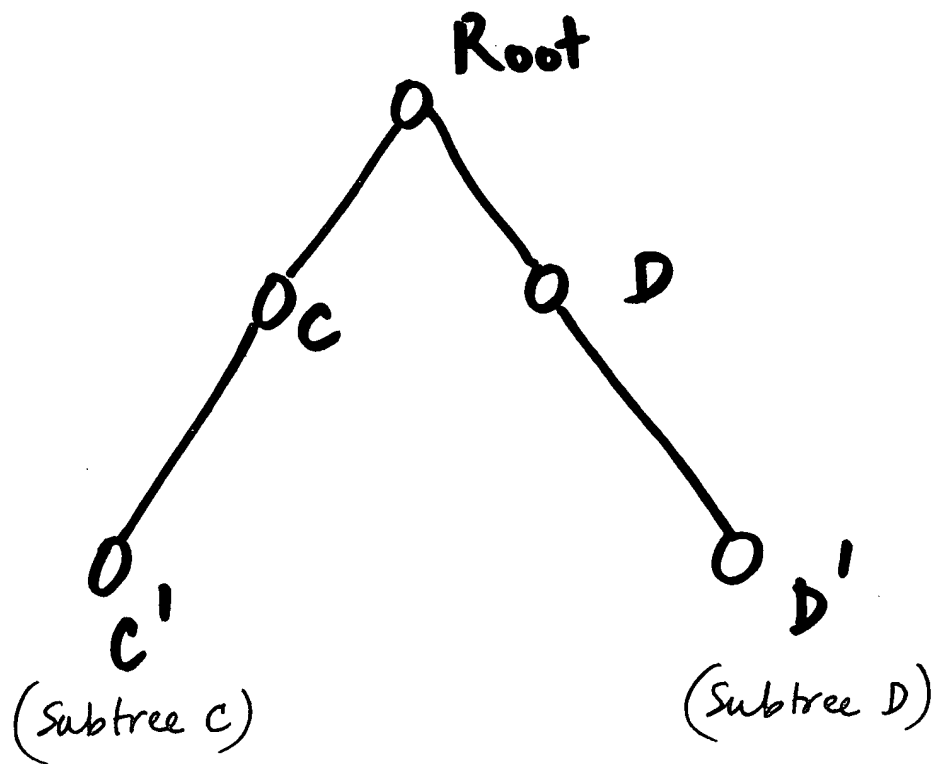
[illegible]

FIG. 15

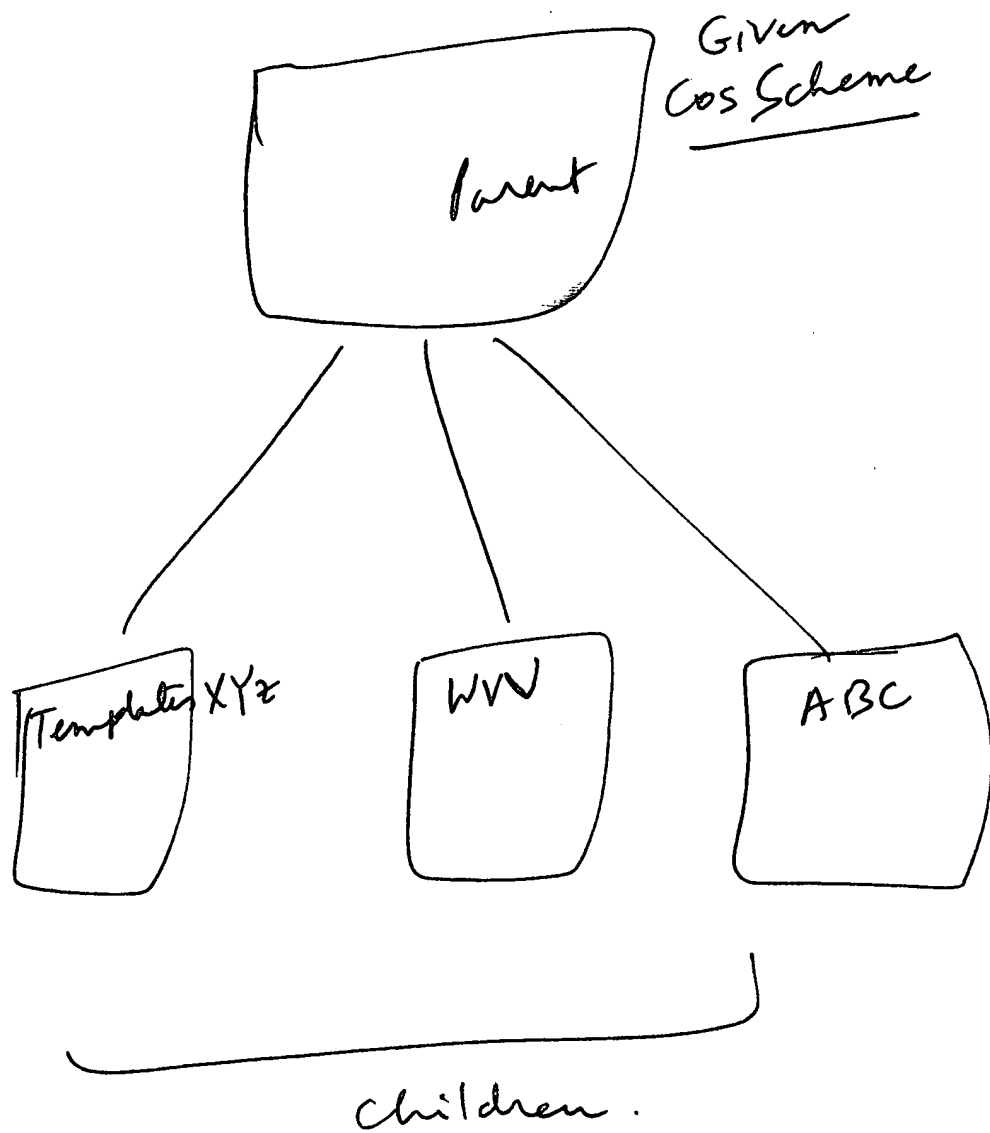
[illegible]

FIG-16



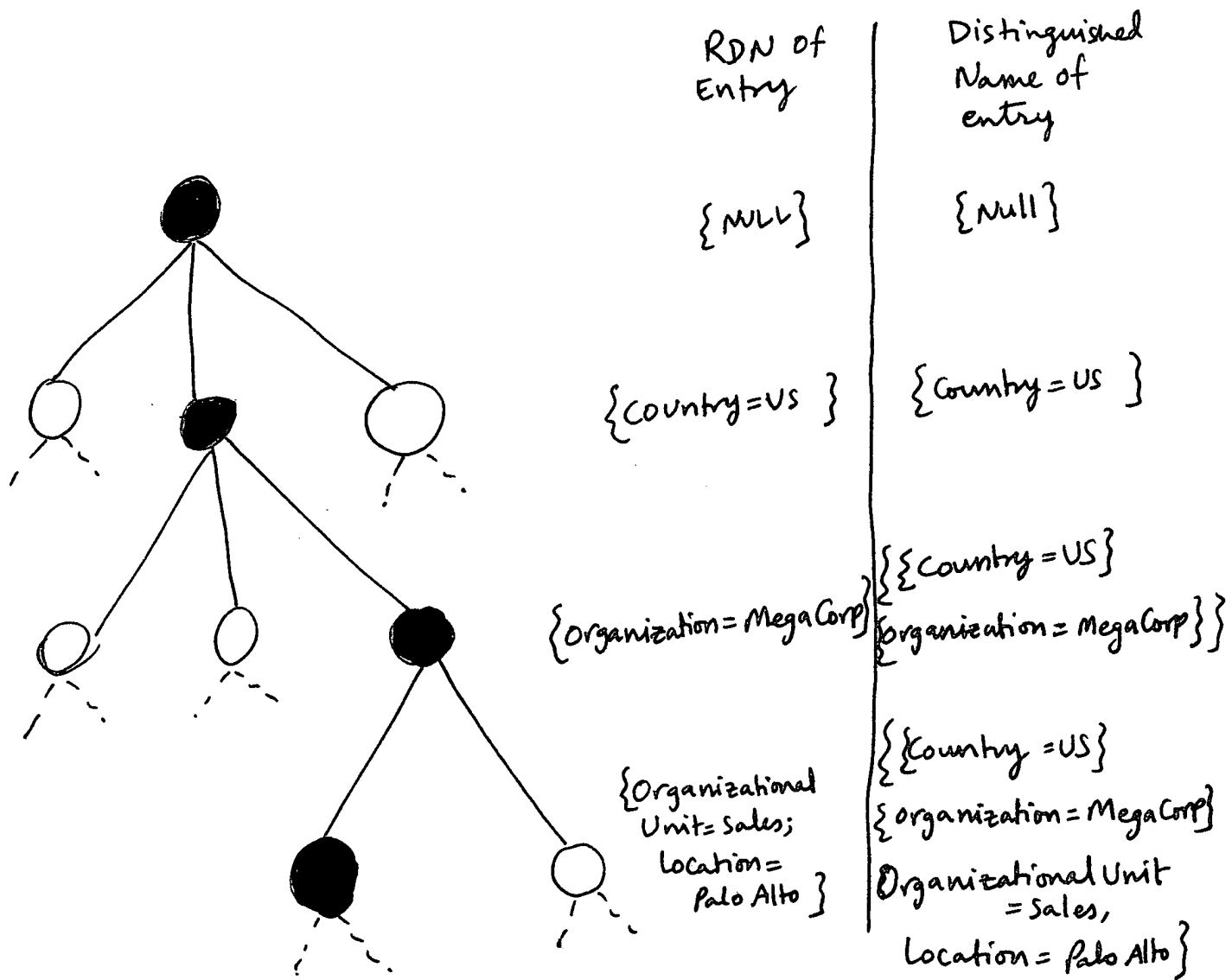


FIG 17

[illegible]

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objectclass: LDAPSubentry
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objectclass: cosClassicDefinition
```

## cosTemplate

cosSpecifier: mailServiceClass

cosAttribute: maysendexternalmail

FIG-18



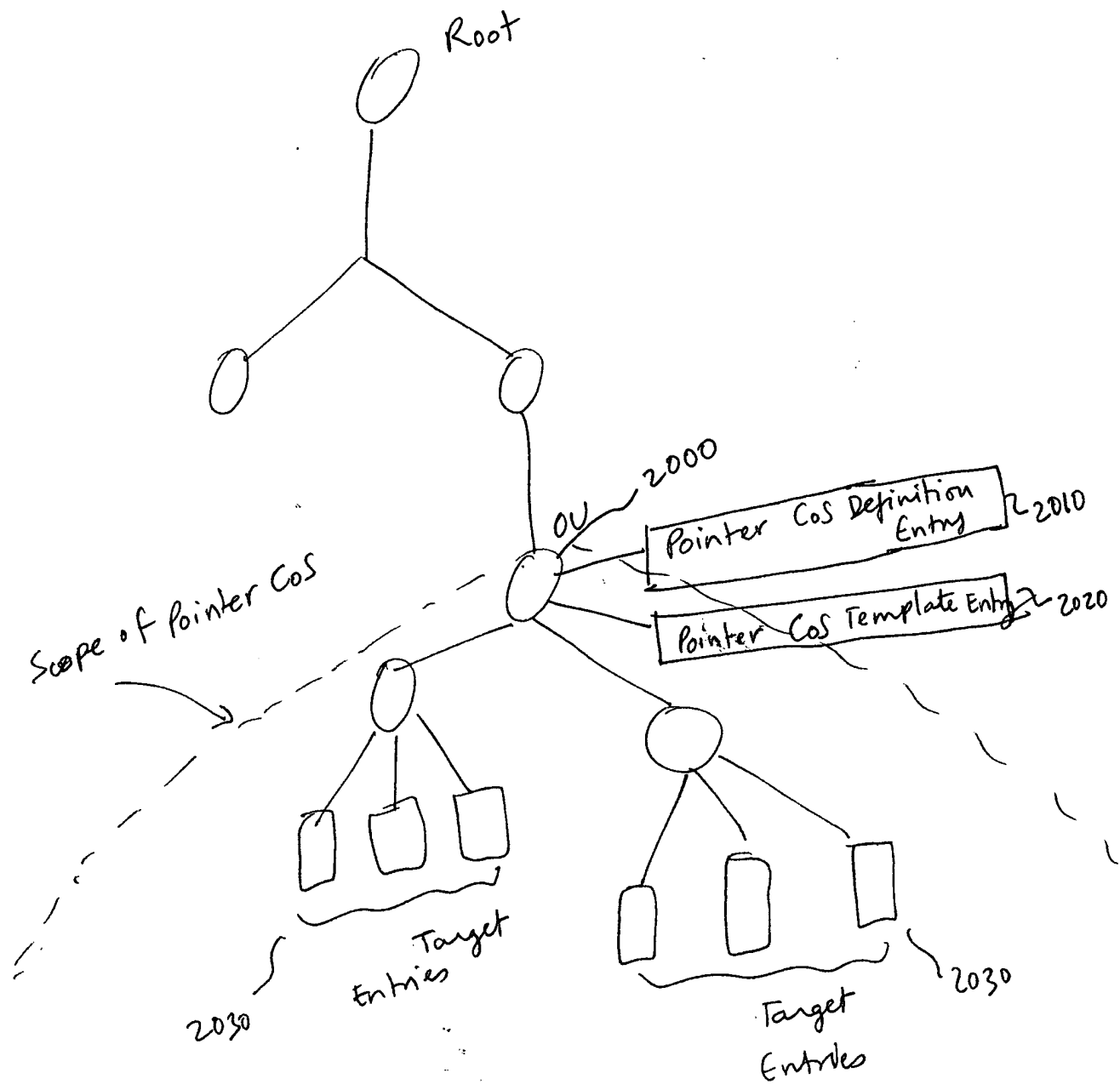


FIG. 20

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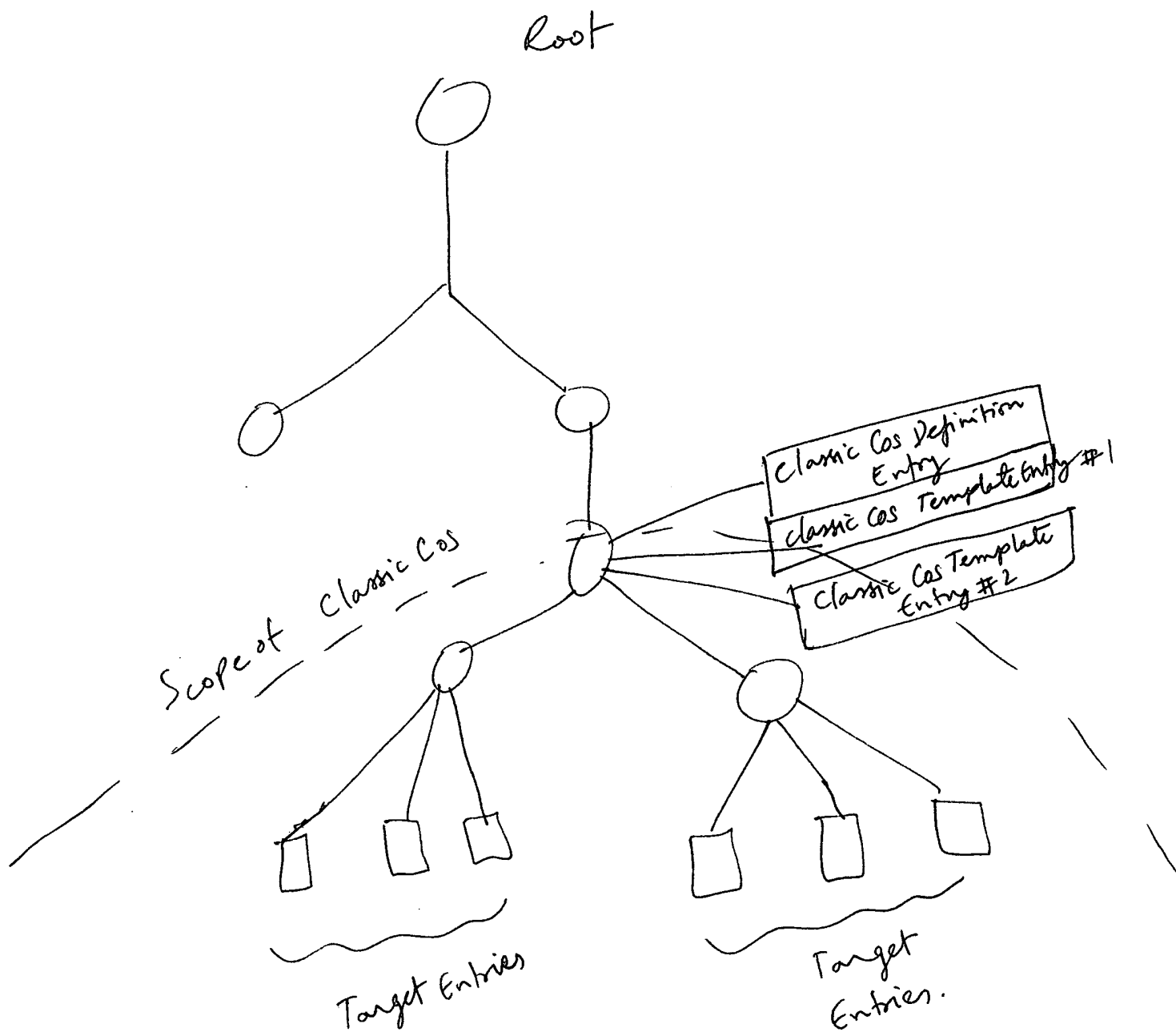


FIG-21



FIG-23

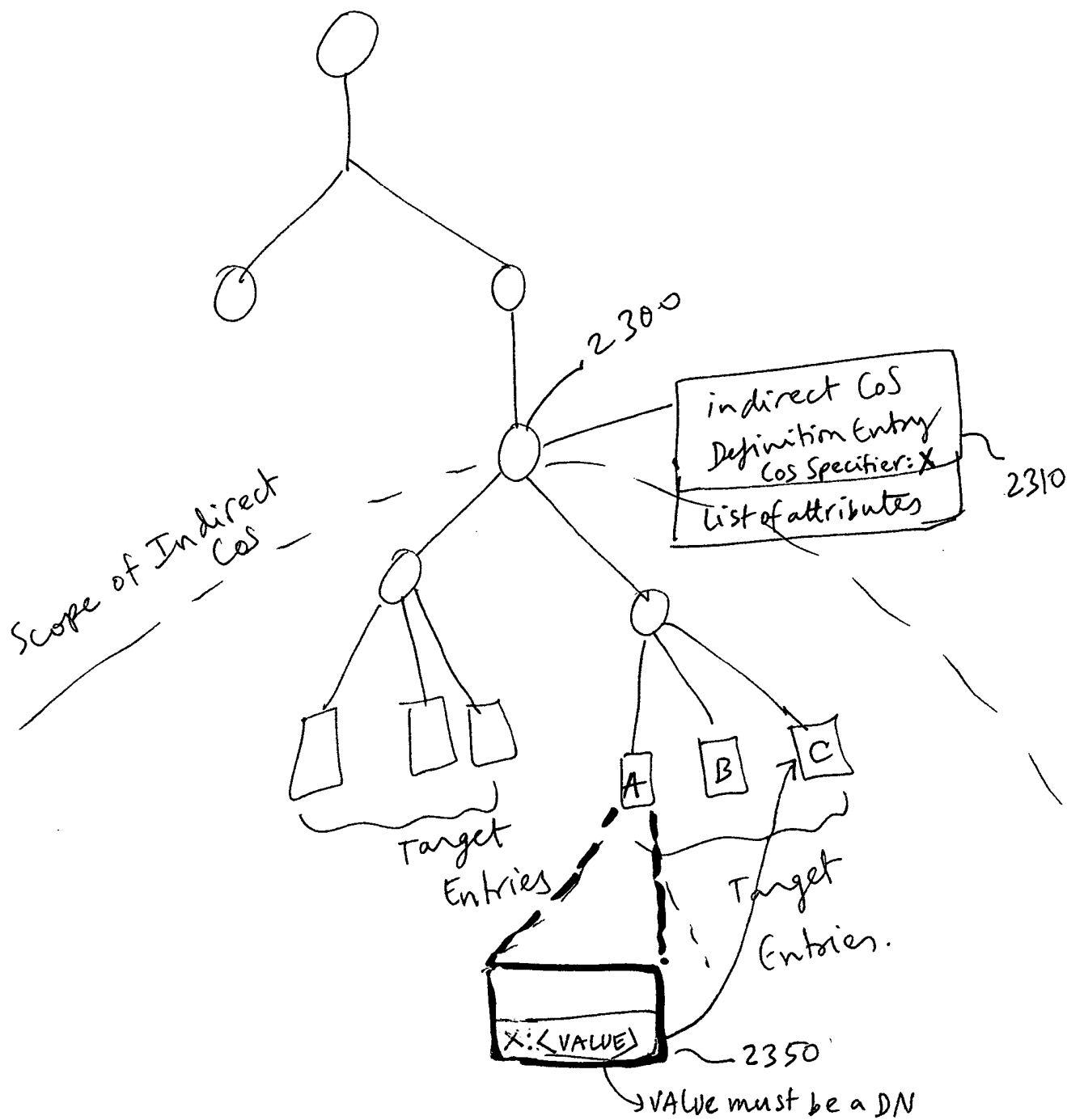


FIG-23

